

WHAT IS CLAIMED IS:

- 5 1. A communications system, comprising:
a mobile unit operable to transmit content;
a plurality of base transceiver stations, each base transceiver station operable
to:
 receive the content from the mobile unit;
 determine a value for a metric associated with communications
between the mobile unit and the base transceiver station;
 generate a graded packet including the value and the content; and
10 communicate the graded packet; and
a first router operable to:
 receive redundant graded packets generated at the base transceiver
stations;
 evaluate the content of the redundant graded packets;
15 select one or more of the redundant graded packets in response to the
evaluation of the content; and
 communicate the selected packets.
- 20 2. The system of Claim 1, wherein the first router is further operable to:
select one or more of the redundant graded packets based on the value
included in each graded packet; and
 evaluate the content of the one or more of the packets selected in the previous
step.
- 25 3. The system of Claim 1, wherein the first router is further operable to
select one or more of the redundant graded packets based on the value included in
each graded packet in addition to the evaluation of the content included in the packets.

4. The system of Claim 1, further comprising a second router operable to:
receive redundant graded packets;
select one or more of the redundant graded packets based on the value
included in each graded packet; and
5 communicate the selected packets to the first router for evaluation and
selection of one or more of the selected packets.

5. The system of Claim 1, wherein:
evaluating the content of the redundant graded packets comprises comparing
10 the content of the packets; and
selecting one or more of the packets in response to the evaluation comprises
selecting one or more packets including the content most common among the
redundant packets.

15 6. The system of Claim 1, wherein:
evaluating the content of the redundant graded packets comprises comparing
the content of each packet with an expected content; and
selecting one or more of the packets in response to the evaluation comprises
selecting one or more packets including content consistent with the expected content.

20 7. The system of Claim 1, wherein:
the content transmitted from the mobile unit comprises temporally encoded
content, such that content from the mobile unit included in a packet communicated
from a base transceiver station is expressed in relation to content from the mobile unit
25 included in an immediately preceding packet communicated from the base transceiver
station; and
the expected content in a packet received from a base transceiver station
comprises a content that is consistent with the content in the immediately preceding
packet received from the base transceiver station.

30 8. The system of Claim 7, wherein the content is temporally encoded
using a Moving Picture Experts Group (MPEG) standard.

9. The system of Claim 1, wherein:

the content transmitted from the mobile unit may include a limited number of possible states; and

5 the expected content in a packet received from a base transceiver station comprises a content that includes one of the limited number of possible states.

10. The system of Claim 9, wherein the content comprises control information.

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11. The system of Claim 1, wherein the mobile unit is operable to transmit a packet that includes the content.

12. The system of Claim 1, wherein the content comprises voice content
15 received from a user of the mobile unit.

13. A network device comprising:

an interface operable to receive a plurality of redundant graded packets from a plurality of base transceiver stations, wherein the graded packets include a content received from a mobile unit and a value for a metric generated by each base transceiver station, the metric associated with communications between the mobile unit and the base transceiver station; and

a processor operable to:

evaluate the content of the redundant graded packets;

select one or more of the redundant graded packets in response to the evaluation of the content; and

communicate the selected packets.

14. The network device of Claim 13, wherein the processor is further operable to:

select one or more of the redundant graded packets based on the value included in each graded packet; and

evaluate the content of the one or more of the packets selected in the previous step.

15. The network device of Claim 13, wherein the processor is further operable to select one or more of the redundant graded packets based on the value included in each graded packet in addition to the evaluation of the content included in the packets.

16. The network device of Claim 13, wherein:

evaluating the content of the redundant graded packets comprises comparing the content of the packets; and

selecting one or more of the packets in response to the evaluation comprises selecting one or more packets including the content most common among the redundant packets.

17. The network device of Claim 13, wherein:

evaluating the content of the redundant graded packets comprises comparing the content of each packet with an expected content; and

5 selecting one or more of the packets in response to the evaluation comprises selecting one or more packets including content consistent with the expected content.

18. The network device of Claim 13, wherein:

10 the content transmitted from the mobile unit comprises temporally encoded content, such that content from the mobile unit included in a packet communicated from a base transceiver station is expressed in relation to content from the mobile unit included in an immediately preceding packet communicated from the base transceiver station; and

15 the expected content in a packet received from a base transceiver station comprises a content that is consistent with the content in the immediately preceding packet received from the base transceiver station.

19. The network device of Claim 18, wherein the content is temporally encoded using a Moving Picture Experts Group (MPEG) standard.

20 20. The network device of Claim 13, wherein:

the content transmitted from the mobile unit may include a limited number of possible states; and

25 the expected content in a packet received from a base transceiver station comprises a content that includes one of the limited number of possible states.

21. The network device of Claim 20, wherein the content comprises control information.

30 22. The network device of Claim 13, wherein the mobile unit is operable to transmit a packet that includes the content.

23. The network device of Claim 13, wherein the content comprises voice content received from a user of the mobile unit.

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24. A method for selecting packets comprising:

receiving a plurality of redundant graded packets from a plurality of base transceiver stations, wherein the graded packets include a content received from a mobile unit and a value for a metric generated by each base transceiver station, the metric associated with communications between the mobile unit and the base transceiver station;

evaluating the content of the redundant graded packets;

selecting one or more of the redundant graded packets in response to the evaluation of the content; and

communicating the selected packets.

25. The method of Claim 24, further comprising:

selecting one or more of the redundant graded packets based on the value included in each graded packet; and

evaluating the content of the one or more of the packets selected in the previous step.

26. The method of Claim 24, further comprising selecting one or more of the redundant graded packets based on the value included in each graded packet in addition to the evaluation of the content included in the packets.

27. The method of Claim 24, wherein:

evaluating the content of the redundant graded packets comprises comparing the content of the packets; and

selecting one or more of the packets in response to the evaluation comprises selecting one or more packets including the content most common among the redundant packets.

28. The method of Claim 24, wherein:

evaluating the content of the redundant graded packets comprises comparing the content of each packet with an expected content; and

5 selecting one or more of the packets in response to the evaluation comprises selecting one or more packets including content consistent with the expected content.

29. The method of Claim 24, wherein:

10 the content transmitted from the mobile unit comprises temporally encoded content, such that content from the mobile unit included in a packet communicated from a base transceiver station is expressed in relation to content from the mobile unit included in an immediately preceding packet communicated from the base transceiver station; and

15 the expected content in a packet received from a base transceiver station comprises a content that is consistent with the content in the immediately preceding packet received from the base transceiver station.

30. The method of Claim 29, wherein the content is temporally encoded using a Moving Picture Experts Group (MPEG) standard.

20 31. The method of Claim 24, wherein:

the content transmitted from the mobile unit may include a limited number of possible states; and

25 the expected content in a packet received from a base transceiver station comprises a content that includes one of the limited number of possible states.

32. The method of Claim 31, wherein the content comprises control information.

30 33. The method of Claim 24, wherein the content comprises voice content received from a user of the mobile unit.

34. Software for selecting packets, the software embodied on a computer readable medium and operable to:

5 receive a plurality of redundant graded packets from a plurality of base transceiver stations, wherein the graded packets include a content received from a mobile unit and a value for a metric generated by each base transceiver station, the metric associated with communications between the mobile unit and the base transceiver station;

evaluate the content of the redundant graded packets;

10 select one or more of the redundant graded packets in response to the evaluation of the content; and

communicate the selected packets.

35. The software of Claim 34, further operable to:

15 select one or more of the redundant graded packets based on the value included in each graded packet; and

evaluate the content of the one or more of the packets selected in the previous step.

20 36. The software of Claim 34, further operable to select one or more of the redundant graded packets based on the value included in each graded packet in addition to the evaluation of the content included in the packets.

37. The software of Claim 34, wherein:

25 evaluating the content of the redundant graded packets comprises comparing the content of the packets; and

selecting one or more of the packets in response to the evaluation comprises selecting one or more packets including the content most common among the redundant packets.

38. The software of Claim 34, wherein:

evaluating the content of the redundant graded packets comprises comparing the content of each packet with an expected content; and

5 selecting one or more of the packets in response to the evaluation comprises selecting one or more packets including content consistent with the expected content.

39. The software of Claim 34, wherein:

10 the content transmitted from the mobile unit comprises temporally encoded content, such that content from the mobile unit included in a packet communicated from a base transceiver station is expressed in relation to content from the mobile unit included in an immediately preceding packet communicated from the base transceiver station; and

15 the expected content in a packet received from a base transceiver station comprises a content that is consistent with the content in the immediately preceding packet received from the base transceiver station.

40. The software of Claim 39, wherein the content is temporally encoded using a Moving Picture Experts Group (MPEG) standard.

20 41. The software of Claim 34, wherein:

the content transmitted from the mobile unit may include a limited number of possible states; and

25 the expected content in a packet received from a base transceiver station comprises a content that includes one of the limited number of possible states.

42. The software of Claim 41, wherein the content comprises control information.

30 43. The software of Claim 34, wherein the content comprises voice content received from a user of the mobile unit.

44. A network device comprising:

means for receiving a plurality of redundant graded packets from a plurality of base transceiver stations, wherein the graded packets include a content received from a mobile unit and a value for a metric generated by each base transceiver station, the metric associated with communications between the mobile unit and the base transceiver station;

means for evaluating the content of the redundant graded packets;

means for selecting one or more of the redundant graded packets in response to the evaluation of the content; and

means for communicating the selected packets.